/0/800,3/9

28. (Previously presented) The system of claim 27 wherein said electronic processing buffer converts said electronic signal from said sensor to a gray-scale value that is subsequently converted to a height measurement.

29. (Currently Amended) The system of claim 27 wherein said buffer includes an algorithm to determine z-axis height position of points on the object with respect to said nominal object plane by means of contrast comparison of said plurality of photodetectors.

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Claim 2~~9~~ (Cancelled)

31. (Previously presented) The computer system as described in claim 27 that compares the three-dimensional representation of said object for conformance of said object to a stored quality standard.